Space Day:
Prospecting for Knowledge

2-Construct a Lunar Habitat – Teacher Page

Purpose: To examine an aspect of future space exploration.

Materials needed:

- cardboard, styrofoam, or heavy tagboard for the base
- markers
- scissors
- glue (glue guns work best)
- construction materials of your choice (plastic containers, paper rolls,
- foil, construction paper, 2-liter pop bottles, string, yarn, etc.
- Raft junk makes a great alternative

Background: With the discovery of ice on the moon, future habitation of its surface is now a possibility. Wherever habitation occurs, the following necessities of life must be considered: food source, recycling water and wastes, mining raw materials for building, solar power stations, underground/above ground living and working areas, recreation, launch and landing pads, etc.

This activity: Using the materials gathered, the students will construct a lunar habitat that addresses the issues for survival.

Preparation: Materials will need to be gathered. Students should be encouraged to gather and bring in materials from home. A discussion of the basic needs for survival should preclude the activity.

In class: Teams of 4 students work best in an activity of this type. Gathered materials should be displayed in a pick-up area. A "glue gun station" works well.

Reference: Young Astronaut Council, The Adventure Series, "Returning to the Moon", 1990.

Space Day:
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2-Construct a Lunar Habitat - Student Page

Purpose: To examine an aspect of future space exploration.

Materials needed:

- cardboard, styrofoam, or heavy tagboard for the base
- markers
- scissors
- glue (glue guns work best)
- construction materials of your choice (plastic containers, paper rolls,
- foil, construction paper, 2-liter pop bottles, string, yarn, etc.

Procedure:

Using the materials provided, construct a lunar habitat that takes into consideration the basic needs of survival you discussed with your teacher: food, water source, shelter, etc.